

Title (en)

Blast furnace and method of operation.

Title (de)

Hochofen und Verfahren zum Betrieb.

Title (fr)

Haut-fourneau et méthode de conduite.

Publication

EP 0023716 A1 19810211 (EN)

Application

EP 80104566 A 19800801

Priority

- JP 6742880 A 19800521
- JP 9864479 A 19790803

Abstract (en)

[origin: US4377277A] A blast furnace having a cooling device between its hearth bottom and its foundation. The cooling device includes top and bottom groups of cooling fluid passages with a heat-insulating layer disposed therebetween, the top and bottom groups having independently regulable cooling capacities. Also provided is a method for operating a blast furnace including the steps of measuring a temperature in the hearth bottom, and controlling the cooling of the hearth bottom so that the specification point of the molten product in the hearth bottom maintains a predetermined level.

IPC 1-7

C21B 7/10

IPC 8 full level

C21B 7/10 (2006.01)

CPC (source: EP US)

C21B 7/106 (2013.01 - EP US)

Citation (search report)

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- [A] US 2915305 A 19591201 - HERBERT CRAIG GEORGE
- FR 2119167 A5 19720804 - WIECZOREK JULIEN
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- [P] PATENT ABSTRACTS OF JAPAN vol. 004, no. 019 (C - 73)<152> 16 February 1980 (1980-02-16)

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DE FR GB IT

DOCDB simple family (publication)

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